Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	18 October 2022
Team ID	PNT2022TMID35555
Project Name	Inventory Management System for Retailers
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and then confirming my password.	5	High	Harishankar. H, Arvind P, Nehanth K G, Premnaath V
Sprint-1		USN-2	As a user, I can register for the application through email.	3	Medium	Harishankar. H, Arvind P, Nehanth K G, Premnaath V
Sprint-1	Confirmation	USN-3	As a user, I will receive confirmation email once I have registered for the application.	4	Medium	Harishankar. H, Arvind P, Nehanth K G, Premnaath V

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Login	USN-4	As a user, I can log into the application by entering the registered email & password	8	High	Harishankar. H, Arvind P, Nehanth K G, Premnaath V
Sprint-2	Dashboard	USN-5	As a user, I can view the products which are available.	10	High	Harishankar. H, Arvind P, Nehanth K G, Premnaath V
Sprint-2	Stock Update	USN-6	As a user, I can add products which are not available in the dashboard to the stock list.	10	Medium	Harishankar. H, Arvind P, Nehanth K G, Premnaath V
Sprint-3	Sales Prediction	USN-7	As a user, I can get access to a sales prediction tool which will help me to better predict the order quantity.	10	High	Harishankar. H, Arvind P, Nehanth K G, Premnaath V
Sprint-4	Administration	USN-8	As a user, I am able to get in touch with the Administrator and ask for whatever services I require help with.	10	Low	Harishankar. H, Arvind P, Nehanth K G, Premnaath V
Sprint-4		USN-9	I should be able to report any difficulties I experience to the administrator.	10	Medium	Harishankar. H, Arvind P, Nehanth K G, Premnaath V

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	4 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	15 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	22 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	25 Nov 2022

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Sprint	Story Points	Duration	Average Velocity
Sprint - 1	20	6	3.33
Sprint - 2	20	6	3.33
Sprint - 3	10	6	1.67
Sprint - 4	20	6	3.33
Total	70	24	2.91

Burndown Chart:

A burndown chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/
https://www.atlassian.com/agile/tutorials/burndown-charts

IN PROGRESS 5 ISSUES

As a user, I can add products which are not available in the dashboard to the stock list.

📗 IFR-8   10

As a user, I can get access to a sales prediction tool which will help me to better predict the order quantity.

📗 IFR-9   10

As a user, I am able to get in touch with the Administrator and ask for whatever services I require help with.

📗 IFR-10   10

I should be able to report any difficulties I experience to the administrator.

📗 IFR-11   10

DONE 4 ISSUES ✓

📗 IFR-1   ✓ 5   Ⓐ

As a user, I can register for the application through email.

📗 IFR-2   ✓ 3

As a user, I will receive confirmation email once I have registered for the application.

📗 IFR-5   ✓ 4

As a user, I can log into the application by entering the registered email & password.

📗 IFR-6   ✓ 8

Sprint progress   ❓ ⌄
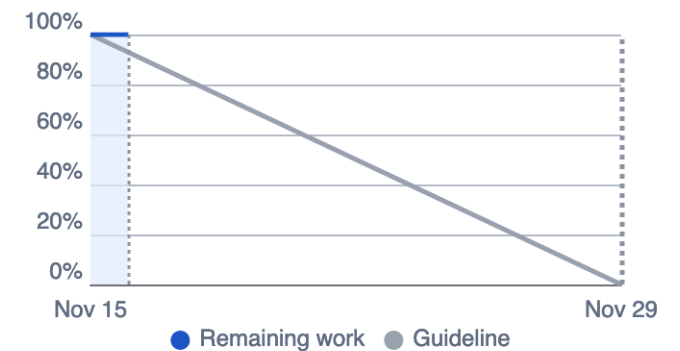
████████████████████ 0% done

Done   **In progress**   **Not started**
0%   **100%**   0%

Sprint burndown   BETA ❓ ⌄

0 points done, 10 points to go   ⚠ **Heads up**

100%
80%
60%
40%
20%
0%
Nov 15   Nov 29

● Remaining work   ● Guideline

Epic progress

Link epics and estimate issues to drive your big goals

This insight shows how your current sprint contributes to your larger goals, or epics, helping to maintain focus and perspective. **Learn more**

Reference:
https://www.atlassian.com/agile/project-management
https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software
https://www.atlassian.com/agile/tutorials/epics
https://www.atlassian.com/agile/tutorials/sprints
https://www.atlassian.com/agile/project-management/estimation
https://www.atlassian.com/agile/tutorials/burndown-charts